

DEPARTMENTAL BUDGET INFORMATION SEWERAGE (42)

MISSION

The Detroit Water and Sewerage Department (DWSD) will exceed our customers' expectations through innovative treatment and transmission of water and wastewater that promote healthy communities and economic growth.

DESCRIPTION

The Sewerage Disposal System is administratively part of DWSD, but maintained as a separate Fund in the City of Detroit Accounting System. DWSD operates one wastewater treatment plant which is located at 9300 W. Jefferson. This facility serves approximately 2.9 million people in Detroit and seventy-seven other communities in southeastern Michigan. DWSD's sewer system originated in 1836, and today consists of 14 pump stations, three storm water detention basins and a total of 3,000 miles of sewer lines that carry rainwater and wastewater to the Wastewater Treatment Plant – the largest single-site wastewater treatment facility in the country.

The Sewerage Disposal System's primary role is to convey and treat the sanitary and combined sewage collected throughout the service area in accordance with applicable service agreements so that the public health is protected and the treated effluent discharged to the Detroit River is in compliance with the limits established by the Department's National Pollutant Discharge Elimination System Permit and other applicable laws, rules and regulations imposed by the Federal Court, the U.S. Environmental Protection Agency, Wayne County, Michigan Department of

Environmental Quality and the Division of Public Health regarding wastewater, air pollution and solid waste disposal.

The plant has the capacity to treat sanitary sewerage of a maximum flow of 859 million gallons per day (mgd) and a capacity to treat up to 1,520 mgd of a combination of sanitary and storm flow while consistently meeting or exceeding permit requirements for effluent quality. The plant also produces approximately 1,000,000 wet tons of wastewater residuals each year which are either incinerated in compliance with applicable air pollution control laws or transported to commercially operated landfills in western Wayne and Macomb Counties.

MAJOR INITIATIVES

DWSD has initiated a program management project designed to bring the Wastewater Treatment Plant into a state of sustained, long term National Pollutant Discharge Elimination System (NPDES) compliance by coordinating the design and construction activities of over sixty projects covering every area of the plant. This plan is in effect under the PC-744 Program Management Project.

The Industrial Waste Control Division has established a Pollution Prevention (P2) unit to develop, and promote P2 initiatives for Industrial and Commercial Users. They are also working with EPA and MDEQ and the Michigan Metalfinishers Association to define a Strategic Goals Program and Michigan P2 Metalfinishing Initiative within the Detroit Service Region and statewide.

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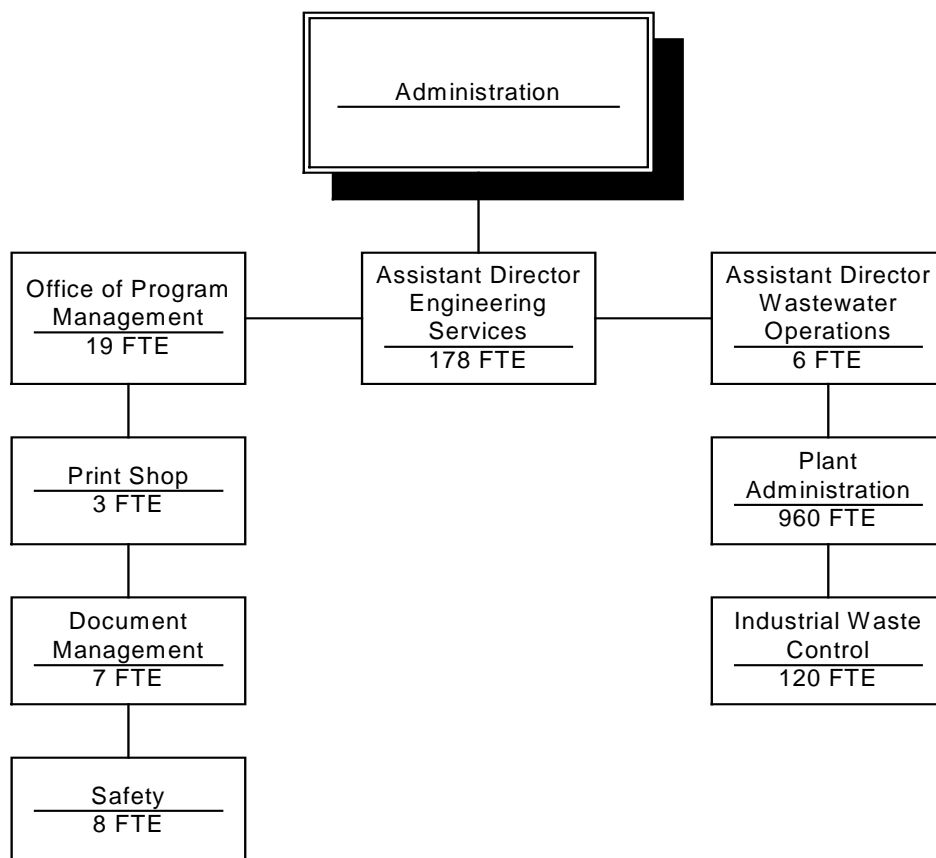
PLANNING FOR THE FUTURE

The Sewerage Disposal System will be implementing a Pretreatment Information Management System (PIMS) to booster the database of our 15,000 industrial customers. The Industrial Waste Control Division will implement a revision of divisional business and operational plans and the data migration for the database is competed.

DWSD will continue the expansion and improvement of the Wastewater Treatment Plant to provide a cost and energy efficient

treatment facility and protect and preserve the local environment of the city and southeastern Michigan.

DWSD is now looking to the next 50 years of development for the city and the surrounding area. The vision for this project is to develop a "Comprehensive Wastewater Master Plan" which will provide guidance and direction for the continuing, orderly expansion of the sewerage disposal system to meet those needs.



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PERFORMANCE GOALS, MEASURES AND TARGETS

| Goals: Measures | 2001-02 Actual | 2002-03 Projection | 2003-04 Target |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------|---------------------------|
| Inform public of agency operations: | | | |
| Populations served -city | 951,270 | 951,400 | 951,600 |
| Populations served suburban | 2,946,892 | 3,000,000 | 3,020,000 |
| Implement a complete regulatory control program of all non-domestic wastewater released into the sewerage system: | | | |
| Number of wastewater permits | 425 | 410 | 410 |
| Continue the expansion and improvement of the Wastewater Treatment Plant (WWTP) to provide a cost and energy efficient treatment effluent standards: | | | |
| Number of capital projects -- WWTP | 71 | 99 | 79 |
| Value of capital projects -- WWTP | 129,913,000 | 199,732,000 | 264,401,000 |

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EXPENDITURES

| | 2001-02 Actual Expense | 2002-03 Redbook | 2003-04 Mayor's Budget Rec | Variance | Variance Percent |
|--------------------|------------------------------|-----------------------|----------------------------------|-------------------------|---------------------|
| Salary & Wages | \$ 70,098,635 | \$ 85,133,229 | \$ 75,813,256 | \$ (9,319,973) | -11% |
| Employee Benefits | 20,436,287 | 22,740,345 | 25,532,018 | 2,791,673 | 12% |
| Prof/Contractual | 251,797,037 | 21,311,672 | 21,703,806 | 392,134 | 2% |
| Operating Supplies | 12,074,124 | 15,549,720 | 23,637,043 | 8,087,323 | 52% |
| Operating Services | 37,132,037 | 40,982,603 | 44,172,678 | 3,190,075 | 8% |
| Capital Equipment | 3,701,343 | 8,500,000 | 8,506,100 | 6,100 | 0% |
| Capital Outlays | - | 752,000 | 771,500 | 19,500 | 3% |
| Fixed Charges | 63,675,784 | 101,766,400 | 120,461,100 | 18,694,700 | 18% |
| Other Expenses | 25,839,781 | 581,579,993 | 163,621,298 | (417,958,695) | -72% |
| TOTAL | \$ 484,755,028 | \$ 878,315,962 | \$ 484,218,799 | \$ (394,097,163) | -45% |
| POSITIONS | 1,125 | 1,477 | 1,301 | (176) | -12% |

REVENUES

| | 2001-02 Actual Revenue | 2002-03 Redbook | 2003-04 Mayor's Budget Rec | Variance | Variance Percent |
|--------------------------|------------------------------|-----------------------|----------------------------------|-------------------------|---------------------|
| Licenses/Permits | \$ 22,625.00 | \$ - | \$ - | \$ - | |
| Fines/Forfeits/Penalties | 751,989 | - | - | - | 0% |
| Rev from Use of Assets | 24,922,204 | 21,037,500 | 19,730,100 | (1,307,400) | -6% |
| Sales & Charges | 266,722,327 | 317,229,878 | 340,767,800 | 23,537,922 | 7% |
| Sales of Assets | 18,318 | - | - | - | 0% |
| Miscellaneous | (1) | 540,048,584 | 123,720,899 | (416,327,685) | -77% |
| TOTAL | \$ 292,414,837 | \$ 878,315,962 | \$ 484,218,799 | \$ (394,097,163) | -45% |